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Approved For Release 2003/01/28 : CIA-RDP78B04747A002900040045-8

16 March 1964

MEMORANDUM FOR THE RECORD 25X1 SUBJECT: Trip to	
1. Stereo Point Transfer Device - Accuracy. Question the pointing accuracy (repeatability) in the comparator mode. Pointing error will be approximately the same as the accuracy 2.54 + .005% of the distance. will prepare a comprehensive statement of pointing error potential, accuracy and test procedures. 2. Vacuum Hold-Down. New glass with microgrooves having polished edges shows definite promise for practically invisible grooves. Good layout complete. No other progress. 25X1 3. Controls. engineers reported that the joystick types requested by us would cost in small quantities. In addition, there may be practical and economic limitation to the degree of control requested on the joystick. agreed with the right hand joystick, left hand auxiliary control concept. They were advised of users' reservations at having extensive control in joystick. They will continue to analyze prob-	
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lem and prepare a recommended layout in the near future.	-
25X1 4. Eye Station Module. proposed a boom type support like that on an overhead supported radial saw. Assembly would not rotate. Oculars would. Vertical displacement would probably be motor controlled. Monitor agreed that this appeared to be satisfactory.	
5. High Intensity Illumination.	
a. Contractor again warned of color temperature specification (3400°K min). Dimming must not be accomplished through lowering color temperature to objectionable level. reported that the chosen lamp had a normal operating color temperature of 3700°K and that it could be dimmed to 10% without going 3000°K. The monitor agreed that such performance would be acceptable.	25X^
b. The problem of adequate brightness at all magnifications was discouraged with the low magnification problem. He requested elimination of the low magnification objective. Further discussion revealed that the glass may alleviate the problem. will investigate. The contract monitor stated that 400 foot lamberts is not adequate, but that all magnifications should have at least 1000 foot lamberts.	25X1 25X1
Declass Review by NIMA/DOD	

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cerurus Cerurus	ared - this was due to laser power supply failureis ob- newer models for operational systems. They should be able to this study within a week.
	Stereo Chip Comparator. This device was viewed in almost
complete	ly assembled form. The structure and the cabinetry were in-
pressive	in appearance. was very concerned over the lacv
3 7	suitable for fine focus - it is not practical for the focal aces of the objectives (over 1 inch). It was noted that this inch is not practical for the focal objectives (over 1 inch). It was noted that this inch is not practical for the focal objection to
	the stare commercial and that there may be seen on the terms
the man	pulation required to maintain or recover stereo fusion when tra- between points. It was also noted that the
has no	inecular monoscopic mode.
8.	Potential developments were discussed in the following areas:
	a. Contact Chip Printer.
	b. Two possible light tables.
	c. Image Intensifier Screen.
	d. Two auto-focus problems.
	e. Light Modulation Viewer.
9.	
	This company was suggested by as a possible producer
	st response, reversible photo sensitive medium. I spoke to MI.
and de	cribed its property as "phototropic". No details could be learned,
the na	since the material is under security wraps. gave me see of the contracting agency and monitor -
	Bureau of Naval Weapons
	Code RRMA-34
	I will attempt to obtain clearance for viewing this material.
	I will attempt to obtain clearance for viewing this material.